HABITAT VULNERABILITY ASSESSMENT

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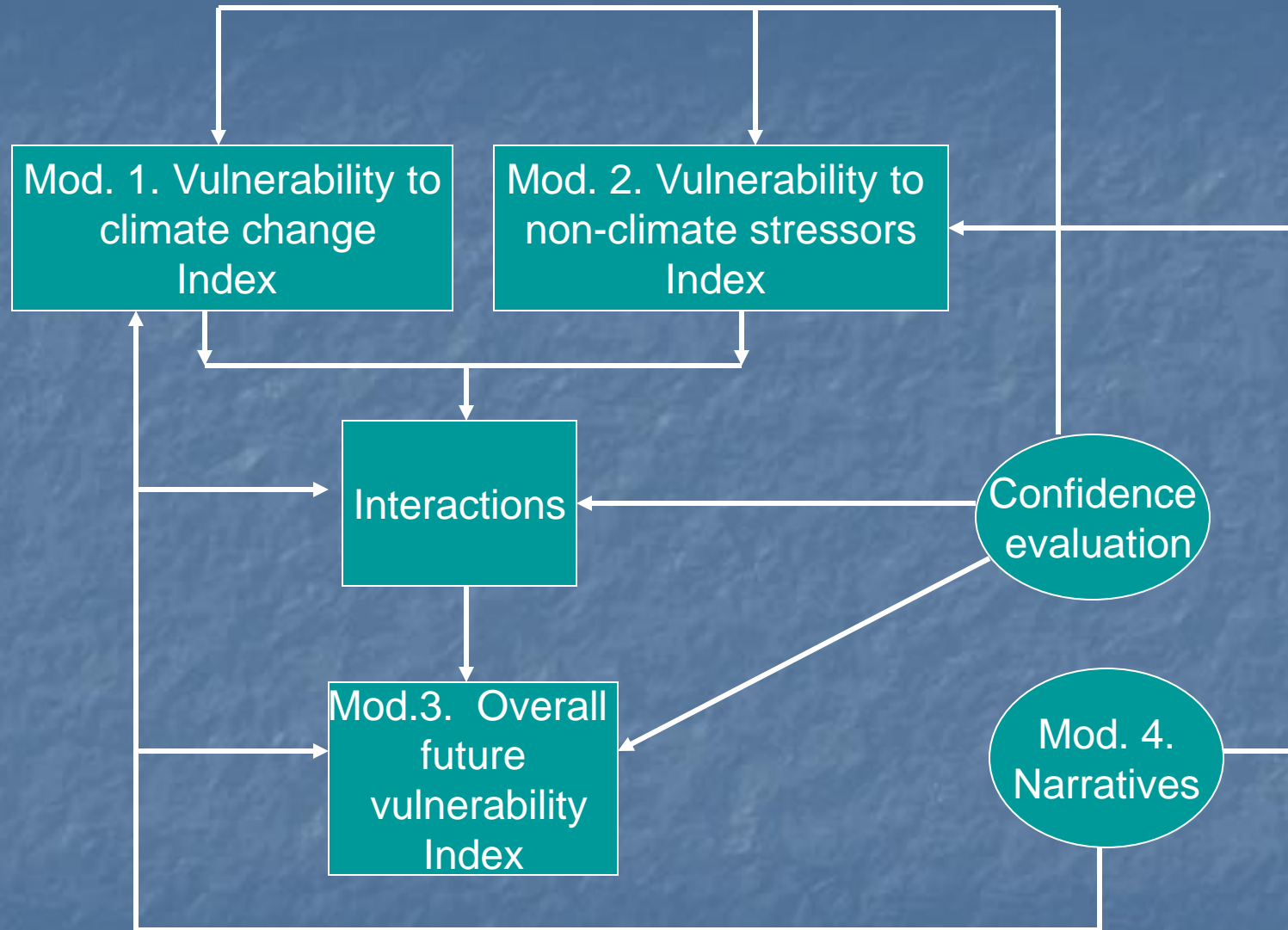
THE NEAFWA MODEL - REGIONAL CONTEXT

- Intended to scale-up to entire NE Region
- Regional Adaptation Strategy
- Regional context essential for effective decision-making
- Also provides individual states with preliminary VA

THE NEAFWA MODEL

Has six major elements:

1. Module 1. Assessment of vulnerability to climate change
2. Module 2. Assessment of vulnerability to non-climate stressors
3. Module 2. Interaction potential
4. Module 3. Assessment of overall future vulnerability
5. All Modules. Confidence evaluation
6. Module 4. Narratives (transparency)

THE NEAFWA MODEL

VULNERABILITY CATEGORIES

- Least vulnerable – large habitat gain
- Less vulnerable – habitat gain
- Vulnerable – modest changes
- Highly vulnerable – substantial habitat loss
- Critically vulnerable – major habitat loss

Opportunity to check our work in some cases

- FIA data shows that forests are not behaving as predicted

- Failure to migrate: lack of tree range expansion in response to climate change

- Zhu, et al 2011

Opportunity to check our work in some cases

Required some preconditions such as agreement on regional habitat classification and ability to show results on a map